



A public health approach to the impact of climate change on health in southern Africa - Identifying priority modifiable risks

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Abstract:

Anthropogenic climate change and anticipated adverse effects on human health as outlined by the Intergovernmental Panel on Climate Change (IPCC) are taken as givens. A conceptual model for thinking about the spectrum of climate-related health risks ranging from distal and infrastructural to proximal and behavioural and their relation to the burden of disease pattern typical of sub-Saharan Africa is provided. The model provides a tool for identifying modifiable risk factors with a view to future research, specifically into the performance of interventions to reduce the impact of climate change.

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Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Air Pollution, Extreme Weather Event, Food/Water Quality, Food/Water Security, Food/Water Security, Glacier/Snow Melt, Human Conflict/Displacement, Human Conflict/Displacement, Meteorological Factors, Precipitation, Sea Level Rise, Temperature

Air Pollution: Allergens, Ozone

Extreme Weather Event: Drought, Flooding, Hurricanes/Cyclones

Food/Water Quality: Chemical, Other Water Quality Issue

Water Quality (other): Ocean temperature; Saltwater intrusion

Food/Water Security: Agricultural Productivity, Fisheries, Food Access/Distribution

Temperature: Extreme Heat, Fluctuations

Geographic Feature:

resource focuses on specific type of geography

Ocean/Coastal, Rural, Urban

Geographic Location:

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resource focuses on specific location

Non-United States

Non-United States: Africa

African Region/Country: African Region

Other African Region: sub-Saharan Africa

Health Impact: ☐

specification of health effect or disease related to climate change exposure

Cardiovascular Effect, Infectious Disease, Injury, Mental Health/Stress, Morbidity/Mortality, Respiratory Effect, Urologic Effect

Cardiovascular Effect: Heart Attack, Stroke, Other Cardiovascular Effect

Cardiovascular Disease (other): Heatstroke

Infectious Disease: Foodborne/Waterborne Disease, Vectorborne Disease, Zoonotic Disease

Foodborne/Waterborne Disease: Cryptosporidiosis, Giardiasis, Salmonellosis, Other Diarrheal Disease

Vectorborne Disease: General Vectorborne, Mosquito-borne Disease, Tick-borne Disease

Mosquito-borne Disease: Dengue, Malaria, Rift Valley Fever

Tick-borne Disease: Tick-borne Encephalitis

Zoonotic Disease: General Zoonotic Disease, Other Zoonotic Disease

Zoonotic Disease (other): Plague

Mental Health Effect/Stress: Mood Disorder, Stress Disorder

Respiratory Effect: Asthma, Chronic Obstructive Pulmonary Disease, Other Respiratory Effect

Respiratory Condition (other) : Chronic lung disease

Population of Concern: A focus of content

Population of Concern: ☐

populations at particular risk or vulnerability to climate change impacts

Children, Elderly, Pregnant Women, Workers

Other Vulnerable Population: Women; Pre-existing medical conditions; Immunocompromised

Resource Type: ☐

format or standard characteristic of resource

Review

Timescale: ☐

time period studied

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Time Scale Unspecified

Vulnerability/Impact Assessment:

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

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